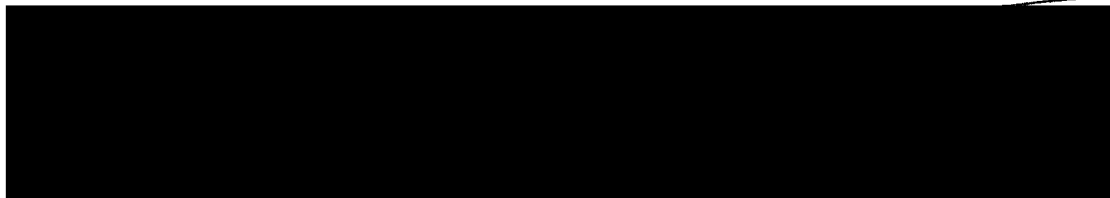


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DECLASS REVIEW by NIMA/DOD

15 February 1966

PROGRESS REPORT NO. 1

12/21/65 - 1/30/66

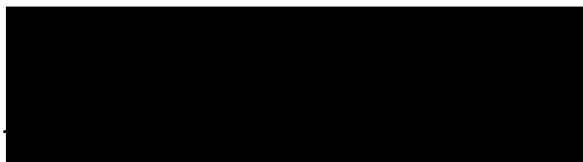
70 MM DATA BLOCK READER



STATINTL

STATINTL

Submitted by:



Program Manager

GENERAL COMMENTS

As a result of additional inputs from the Customer after the proposal was submitted, several changes in design approach have been made. The list of changes is as follows:

- 1) Drawings showing the data laydown mechanism of the block indicate that the format and the block are recorded in two different stations resulting with format wander of .046" independent of block wander of the same amount. In addition, a static error of .030" in block location may occur due to mask positioning tolerances. As a result, the original approach of utilizing fixed wide diodes as the read element is not feasible, and another head has to be used. This head will have 14 sections and amplifiers instead of two, and the logic associated with it has to be capable of switching these diodes into clusters as dictated by the occurrence of data.
- 2) The operator should be able to work the machine from a sitting position. This meant an imaging system to project the block image at a right angle to the proposed projection. It also meant a vertical mounting plate for the drive instead of a horizontal one.
- 3) A hand crank should be added to enable the operator to bring the block into the viewing screen, which required bidirectional clutches on spools.
- 4) When an error is detected, the film should stop before the next block reaches the reader. This means addition of breaking power, and as a result, a stronger drive motor.
- 5) Automatic stop on error - no extra equipment necessary.

PROBLEM AREAS

Electrical design, fabrication and testing are the critical activities which must be held to a very tight schedule.

WORK ACCOMPLISHED

The entire program has been PERT scheduled to comply with the April 30 contract delivery date.

All long lead delivery items have been ordered with promised delivery dates within schedule requirements.

The System Concept Design has been completed. Logic Design and Transport Design have started.

PLANS FOR NEXT MONTHLY PERIOD

Receive all connectors and flat packs. Start Card Fabrication.

Complete Logic Design and Wiring List, and start Tray Wiring.

Complete Transport Design - Detailing and start fabrication.

FISCAL STATUS

See Attached.

FISCAL STATUS

STATINTL

Dollars

Planned \$ - Cum

Actual \$ - Cum

Total Funds Expended
29%

Deviation From Plan
6%

<u>Hours</u>	<u>Cum to Jan.</u>	<u>Feb.</u>	<u>March</u>	<u>April</u>
Planned Hours - Cum	710	2,100	4,870	5,770
Actual Hours - Cum	770			

Total Hours Expended
14%

Deviation From Plan
8%

* Less G + A + Fee